NAVSHIPREPFAC YOKOSUKA
LOCAL STANDARD ITEM

FY-01

ITEM NO: 099-24YO
DATE: 30 JAN 2001
CATEGORY: I

1.   SCOPE:

    1.1 Title: Isolation, Blanking, and Tagging Requirements;
         accomplish

2.   REFERENCES:

    a.   S0400-AD-URM-010/TUM, Tag-Out Users Manual

    b.   NAVSHIPREPFACINST 5100.8, Occupational Safety and
         Health (OSH) Program Manual

    c.   845-4612172, Hydrostatic Test Blanks

    d.   MIL-STD-777, Schedule of Piping, Valves, Fittings, and
         Associated Piping Components for Naval Surface Ships

    e.   802-5959353, MIL-STD-777 Modified for DDG-51 Class,
         Schedule of Piping, Valves, Fittings, and Associated
         Piping Components

    f.   S0600-AA-PRO-160/CH-16, Underwater Ship Husbandry
         Manual, Cofferdams

3.   REQUIREMENTS:

    3.1 Notify the Commanding Officer's designated
representative in writing of equipment, systems, circuits,
components, piping, and valves that require isolation to accomplish
work in the Work Item before any work is started on each individual
Work Item so that tag-outs can be accomplished as required by
ship's instructions, accomplishing the requirements of 2.a.

        3.1.1 DANGER tag-out procedures shall be in accordance
with 2.a and 2.b.

        3.1.2 Ship's Force personnel will position equipment to
achieve required isolation, deenergization, and depressurization,
and install tags when tag-out of equipment, systems, circuits,
components, piping, or valves is required.

            3.1.2.1 NAVSHIPREPFAC Ship Superintendent (Supt)
or Barge Manager will accomplish the requirements of 3.1.2 for
unmanned craft and barges.

3.2 Verify use of sufficient tags to prevent operation of equipment, systems, circuits, components, piping, or valves from all stations that could exercise control.

3.2.1 Ensure the isolation, deenergization, and depressurization of mechanical, electrical, electronics, and pressure systems have been accomplished.

3.2.2 A repair activity's designated representative shall legible print name, NSRF ID badge number or gate pass number issued by COMFLEACT Yokosuka Japan, identify activity, and sign on a ship's tag-out record sheet and tags after installation, indicating repair activity satisfaction with the completeness of the tag-out and alerting personnel removing tags that repair activity concurrence is required.

3.2.2.1 Submit one legible copy of a program to be utilized to train repair activity's designated representatives in accordance with Paragraph 1.4 of 2.a to NAVSHIPREPFAC Occupational Safety and Health Office, Code 120.

3.3 Post warning signs and barriers and install temporary positive means to prevent closure or movement of components that create a safety hazard at hull and deck openings.

3.4 Install and maintain blanks, painted blaze orange, on piping, valves, equipment, ventilation system, and components being stored, installed, or removed, and on openings aboard ship resulting from the removals, immediately upon each removal. The use of cloth, polyvinyl sheet, paper, and tape as blanks is prohibited.

3.4.1 Blanks installed on equipment, valves, and piping openings in systems which are subject to pressure shall be in accordance with 2.c to withstand maximum system pressure and secured in place with gaskets and fasteners in accordance with 2.d and 2.e.

3.4.2 Blanks installed on openings in equipment, valves, and piping systems not subject to pressure shall preclude entry of foreign material and protect flanges and threaded areas.

3.4.3 Remove blanks installed in 3.4 immediately prior to installing piping, valves, or equipment.

3.4.4 Install cofferdam to over hull openings/ penetrations in accordance with Chapter 22 of 2.b, using 2.f for guidance, prior to removing or installing equipment, valves, or piping when the repair activity elects and is authorized to accomplish work which results in a loss of two-valve protection.

3.4.4.1 Remove each cofferdam upon completion of

the subject work in accordance with Chapter 22 of 2.b, using 2.f for guidance.

3.5 Install identification tags on each removed piping section, valve, ventilation system, and equipment indicating the location, system, ship's name and hull number, and Job Order number prior to removal from system. Tags must endure repair process.

3.6 Tape and insulate cable ends disconnected from equipment to prevent shorting out or grounding in the event a system is accidentally energized.

3.6.1 Tag each cable indicating circuit number and location of panel and fuse box energizing cable.

3.6.2 Install dust covers on equipment connectors following disconnection of cable plugs.

3.7 Do not disturb, modify, remove, energize, or operate any switch, fitting, valve, or other equipment affixed with a ship's isolation or DANGER tag.

3.7.1 Do not remove or relocate ship's isolation or DANGER tags.

3.7.2 Verify removal and clearance of all isolation or DANGER tags in accordance with ship's instruction before the equipment is operationally tested or operated.

3.8 Notify the Commanding Officer's designated representative immediately when the repair activity's work is completed and the system, piping, or circuit is ready for activation to accomplish removal of tags.

3.8.1 The repair activity's representative shall sign the ship's tag-out log sheet to show concurrence in tag removal and clearance before removal.

3.8.2 Ship's Force personnel will remove tags after repair activity's concurrence and clearance has been recorded and removal is authorized by the Commanding Officer's designated representative.

3.8.2.1 The Ship Supt or the Barge Manager will accomplish the requirements of 3.8.2 for unmanned craft and barges.

4. NOTES:

4.1 When a component is tagged more than once, a DANGER tag takes precedence over other tags.

4.2 The diver services to install/remove cofferdams will be

specified in the invoking Work Item.

4.3 Repair activity means NAVSHIPREPFAC or contractor that accomplishes the specific requirements of the Job Order.

4.4 NAVSHIPREPFAC Repair Officer, Code 330 will be the designated representative for unmanned craft and barges.

4.5 The term "shipyard(s)" as used in 2.a means a public Naval Shipyard or a NAVSEA 04XQ approved new construction shipyard.